

Figure 1 displays 12 histograms showing the distribution of the number of non-zero elements in the vector x for different values of n . The histograms are arranged in a 6x2 grid. The columns are labeled 'n=10' and 'n=20'. The rows are labeled 'n=10', 'n=20', 'n=30', 'n=40', 'n=50', and 'n=60'. The x-axis for all histograms is 'Number of non-zero elements' ranging from 0 to 100. The y-axis is 'Frequency' ranging from 0 to 10. The distributions are centered around 50 for $n=10$ and shift towards higher values as n increases.

•

ABSTRACT OF THE DISCLOSURE

There are provided a post to be provided in a fluid passage for passing a fluid flow so as to extend across a part of the fluid flow; a measuring duct formed in the
5 post so as to extend therethrough; and a flow rate detector provided in the measuring duct. The measuring duct has a fluid introduction port formed in an elongated shape, the measuring duct is contracted so as to have at least a portion thereof between the fluid introduction
10 port and the flow rate detector substantially smoothly narrowed toward a downstream direction of the flow in a longitudinal direction of the elongated shape.